

IN THE CLAIMS

1. (Original) A method for formulating a plant nutrition, comprising steps of:

- (a) providing a biopulp of a non-woody fiber plant;
- (b) filtrating said biopulp for preparing a filtrate; and
- (c) formulating said filtrate for preparing said plant nutrition.

2. (Currently amended) The method as claimed in claim 1, wherein said biopulp is provided by steps of:

- (a) providing a culture solution with a culture medium, said non-woody fiber plant and a suspension of a microorganism; and
- (b) fermenting said culture solution for preparing said biopulp.

3. (Original) The method as claimed in claim 2, wherein said non-woody fiber plant is pretreated by one selected from a group consisting of a relatively higher pressure treatment under a relatively higher temperature, a steamed treatment under a relatively higher temperature, a boiled treatment under a relatively higher temperature, a fumigatory treatment and a soaked treatment under a room temperature.

4. (Original) The method as claimed in claim 2, wherein said microorganism is one selected from a group consisting of a *Bacillus licheniformis* (PMBP-m5), a *Bacillus subtilis* (PMBP-m6) and a *Bacillus amyloliquefaciens* (PMBP-m7).

5. (Original) The method as claimed in claim 2, wherein said microorganism has an inoculation concentration ranged from 0 to 10^8 cfu/ml.

6. (Original) The method as claimed in claim 2, wherein said fermenting process is proceeded at a temperature ranged from 20 to 50°C.

7. (Original) The method as claim in claim 2, wherein said fermenting process is proceeded over 0~10 days.

8. (Original) The method as claimed in claim 2, wherein said step (b) further comprises a step of boiling said biopulp for 25~40 minutes under 120~150°C.

9. (Original) The method as claimed in claim 8, wherein said biopulp further comprises 0~4% (w/v) CaO when being boiled.

10. (Original) The method as claim in claim 1, wherein said biopulp is screened by 18~300 meshes.

11. (Original) The method as claimed in claim 1, wherein said filtrate is diluted by a volume of 10~100 times for being applied to a crop cultivation.

12. (Original) The method as claimed in claim 1 further comprising a step of adding an additive for preparing an improved plant nutrition, wherein said

additive is one selected from a group consisting of a seaweed powder, an urea, an alcohol, a Hoagland's solution and a mixture thereof.

13. (Original) The method as claimed in claim 12, wherein said improved plant nutrition is diluted by a volume of 250-1000 times for being applied to a crop cultivation.

14. (Original) A method for formulating a plant nutrition, comprising steps of:

- (a) providing a biopulp of a fiber plant;
- (b) filtrating said biopulp for preparing a filtrate; and
- (c) formulating said filtrate for preparing said plant nutrition.

15. (Currently amended) The method as claimed in claim 14, wherein said biopulp is provided by steps of:

- (a) providing a culture solution with a culture medium, said fiber plant and a suspension of a microorganism; and
- (b) fermenting said culture solution for preparing said biopulp.

16. (Original) The method as claimed in claim 15, wherein said fiber plant is a non-woody fiber plant.

17-21. (Cancelled)

22. (New) The method as claimed in claim 1, wherein the formulating step comprises adding a nitrogen source, an alcohol, and a Hoagland's solution into said filtrate for preparing the plant nutrition.

23. (New) The method as claimed in claim 22, wherein the formulating step further comprises adding a polymer into said filtrate for preparing the plant nutrition.

24. (New) The method as claimed in claim 23, wherein said polymer is one selected from a group consisting of seaweed powder, an alginic acid, and alginic salt, a polyelectrolyte, a corn wheat bran, and a starch.

25. (New) The method as claimed in claim 23, wherein said filtrate is 100 parts by volume, said polymer is added thereto by a volume of 0.1~5 parts, said nitrogen source is added thereto by a volume of 0.01~1 parts, said alcohol is added thereto by a volume of 0.1~5 parts, and said Hoagland's solution is added thereto by a volume of 0.1~5 parts.

26 (New) The method as claimed in claim 22, wherein said nitrogen source is a urea.